OKEANOS EXPLORER

EX-11-06: EXPLORATION MAPPING TO
DAVISVILLE, RHODE ISLAND
DATA MANAGEMENT PLAN

Document Purpose
This document is an addendum to the overarching Okeanos Explorer FY11 Data Management Plan (EX_FY11_DMP.doc) and is specific to the EX-11-06 mission entitled "Exploration Mapping to Davisville, Rhode Island" For more detailed information on the data management effort for the Okeanos Explorer in FY11, please refer to that document.

Data Management Overview
The sixth and final *Okeanos Explorer (EX)* mission of the FY11 field season will take the ship from Pascagoula, MS, around the tip of Florida, and up the Atlantic Coast to its new home port of Davisville, RI. During EX-11-06, the Okeanos will run continuous multibeam mapping with occasional XBTs for multibeam calibration.

Assumptions
All data from the entire mission will be publicly releasable. Two sites of significance to underwater cultural heritage will be mapped, and the plan for their data management is under discussion with OER archaeologists.

EX-11-06: Exploration Mapping to Davisville, Rhode Island (September 15 – September 28, 2011)

Data Management Objectives
The DMT's objectives for this mission are:
- o Develop ISO metadata for collection-level and dataset-level records (multibeam, singlebeam sonar, XBT, CTD, EX METOC)
- o Onboard data manager to train in data collection, data pipeline procedures, and advanced product development for multibeam data bathymetry, bottom backscatter, and water column backscatter data
- o Ensure the near real-time update of the *Okeanos Atlas* with
  - ▪ Data layers as contextual data to the display, including primary operating area, planned survey boundaries, and any other appropriate data layers found.
  - ▪ Ship track and hourly observations received via email.
  - ▪ Daily logs pulled from URI through RSS feeds and links to related images on oceanexplorer.noaa.gov website.
  - ▪ Daily cumulative bathymetric image overlays received via URI SRS.

- o Post-Mission:
  - ▪ Execute multibeam and oceanographic data pipelines.

Expedition Principals for Data Management
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